

1* 5/25

split

DART AEROSPACE LTD		Work Order:	23341
Description: Wearplate		Part Number:	D3319-3
Dwg: D3319 Rev. A page 2		Qty:	20
Page 1 of 1			

Step	Location	Procedure	By	Date	Qty
1	DC	Issue Traveler	HA	05.06.13	20
2	PG	Issue P/O: 2008792 Email or Ship DXF file to vendor Laser Cut flat pattern per Dwg D3319 Possible Supplier: Industrial Laser Material release note is required	AB	05/10/11	20
3	RG	Receive and inspect for transit damage Ensure material release note is attached	CY	05/10/25	20
4	QC6	Inspect dimensions as per inspection template D3319-3T1	2	05-11-15	19
5	GA	Deburr if necessary	N/A		
6	GB	Form using DT8326 & DT8261 as per Dwg D3319 Dwg Rev: 0	SB	05/11/15	19
7	QC6	Inspect dimensions as per Dwg D3319	2	05-11-16	19
8	WS	Weld hard surface using D3319-3T2 as per QSI 004 and Dwg D3319 Dwg Rev: B Qty Part Number Description Batch A/R N/A 7560 Hardcoat Rod M18952	CPL	05-11-23	4
9	QC9	Inspect weld	MA	05/11/23	4
10	FP	Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3	FC	05 11 23	4
11	QC3	Inspect Powder Coat	W	05 11 23	4
12	ST	Identify on inside surface using a permanent fine point marker with the following: TCCA-PDA, Dart Aerospace Ltd. P/N: D3319-3, B/N: BXXXXX For Product Eligibility see PDA04-18 and Stock	SB	05/11/24	4
13	AC	Cost / part:	CY	05/11/24	4
14	DC	Close W/O Inspect Level 21	500	05-11-24	4

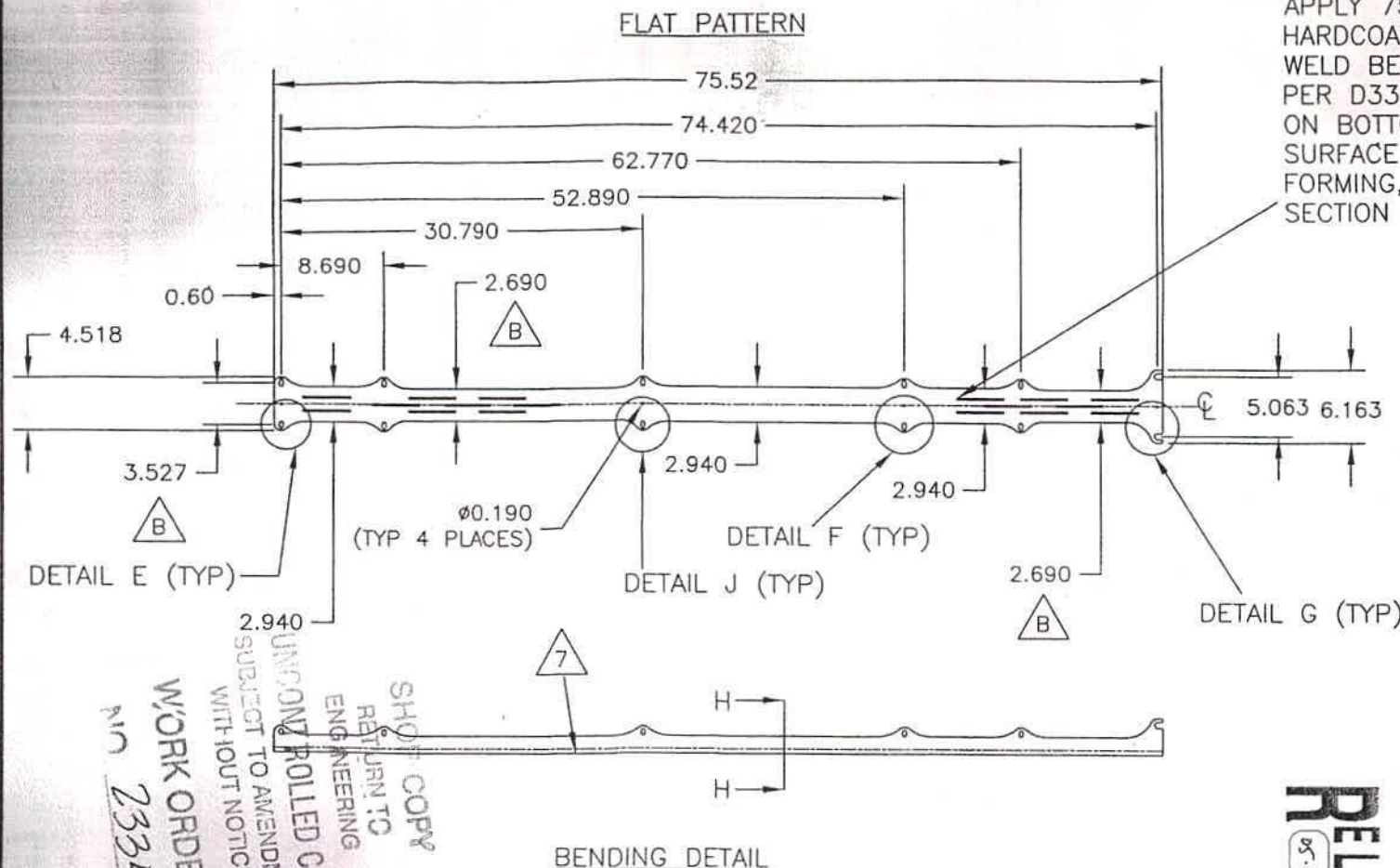
Rev	Date	Change	Revised By	Approved
A	05.05.12	New issue	KJ/JLM	

PRELIMINARY ISSUE

DART

DESIGN	APPROVED	DRAWING NO.	REV. B
CHECKED	APPROVED	D3319	SHEET 2 OF 5
DATE		TITLE	SCALE
05.06.06		WEARPLATE	1:15

APPLY 7560
HARDCOAT
WELD BEADS
PER D3319-3T1
ON BOTTOM
SURFACE AFTER
FORMING, SEE
SECTION H-H



BENDING DETAIL

D3319-3 WEARPLATE

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 18 GAUGE (0.048 THICK)
- 2) FINISH: POWDER COAT GREY SANDTEX (REF.4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) PART IS SYMMETRICAL ABOUT CENTERLINE
- 5) ALL DIMENSIONS IN INCHES
- 6) WELD PER DART QSI 004
- 7) IDENTIFY ON INSIDE SURFACE AS INDICATED USING FINE POINT PERMANENT INK MARKER:
"TCCA-PDA, DART AEROSPACE LTD., P/N D3319-3 B/N BXXXXX,
FOR PRODUCT ELIGIBILITY SEE PDA05-18"

RELEASED
05-09-30

SHOT COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
P/N 23341



California Steel Industries
14000 San Bernardino Ave.
Fontana, California 92335
PH (909) 350-6300

CERTIFIED TEST REPORT

STOMER ORDER
P50614ME002

MO. NUMBER
02-8344-01

SHIPPING DATE
08/01/05

CAR NUMBER
RR: WCTR142061

TALLY NUMBER
PO 250499136 1/

WILKINSON STEEL AND METALS
A DIVISION OF PREMETAL CO., INC.
888 S.E. MARINE DR., VANCOUVER
BC, CANADA, V5X2V3

WILKINSON STEEL-METALS
C/O GARY R. HAMILTON TRUCKING
888 S.E. MARINE DR., VANCOUVER
BC, CANADA BC V5Y 2

MARK ALL DOCUMENTS W/P.O. P50614ME002. FAX TALLIES AT TIME OF SHIPMENT TO MEL ELIAS FAX
#604-301-3244.

END USE WAREHOUSE STOCK - NON-CRITICAL SURFACE

PROD H.R. COILS - P & O - PRIME

SPEC ASTM-A-1011-00-CS-TYPE B

T/R 1 INSPECTION MILL

DESCRIPTION

COILS, PIECES
OR BUNDLES

HEAT NUMBER

.0605 x 48.0000 x COIL
NOM ME

1
1

T42354
T42348

I CERTIFY THE FOLLOWING
TEST INFORMATION TO BE
CORRECT AS CONTAINED
IN THE RECORDS OF THE
COMPANY.

Arthur D. Jenkins

CHIEF - LABORATORY SERVICES

MECHANICAL PROPERTIES

CHEMICAL ANALYSIS

10:48:05 08/01/05 CC

HEAT OR LOT NUMBER	SLAB NUMBER	L O C	YIELD KSI	TENSILE STRENGTH KSI	% ELONGATION		BEND TEST																
					1"	2"		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al	V	Cb	Ti	N		
T42354								08	.39	010	006	006	01	01	01	00	050	000	000	000	002		
T42348								08	.38	014	010	007	01	01	01	00	046	000	000	001	003		

CTR001 P1UG22L 990712



New Zealand Steel Limited
Glenbrook, South Auckland
Postal Private Bag 92121, Auckland, New Zealand
Telephones: (09) 375 8999 / 375 8111 Auckland
(09) 238 8088 / 235 3535 Waikato
Fax: (09) 375 8959

TEST CERTIFICATE

Ref: 5216/22495

CUSTOMER	Wilkinson	150323DI001	SPECIFICATION	ASTMA1008 CS Type A	CERTIFICATE No	TC112396
CUSTOMER O/N	90-21N-686		PRODUCT	CRA WIDE COIL	PAGE	1 of 1
MILL O/N	480736		DIMENSIONS	0.844" x 48" x Coil	DATE	09 June 2005

CHEMICAL COMPOSITION PERCENT																		MECHANICAL TESTS (TEST SPECIFICATION - ASTM A370)						
PACK NUMBER	HEAT No	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	Al	B	N2	CE ()	BEND	YIELD	T.S.	%ELONG	HARDNESS	r	LENGTH
		x100				x1000										x10000		x100		180°			G.L.=	HRB
R9-460748-00	642185	5	TR	20	7	16	11	17	19	1	4	1	1					Good				50		1968
R9-460749-00	642185	5	TR	20	7	16	11	17	19	1	4	1	1					Good				50		1913
R9-461119-00	642185	5	TR	20	7	16	11	17	19	1	4	1	1					Good				47		1926
R9-461120-00	642185	5	TR	20	7	16	11	17	19	1	4	1	1					Good				47		1713

YIELD (A)=0.2% PROOF STRESS (B)=LOWER YIELD STRESS	GAUGE LENGTH (G.L.) (A)=200mm (C)=80mm (E)=2" (B)=50mm (D)=5.65 ± 50 (F)=8"	PLASTIC STRAIN RATIO (r) (A)=r0 (C)=r45 (B)=r90 (D)=(r0+r90+2r45)/4	IMPACT TEST (A)=10mm x 10mm (B)=7.5mm x 10mm (C)=5mm x 5mm (D)=2.5mm x 10mm (E)=5mm x 10mm	CARBON EQUIVALENT VALUE (CE) (A)=C+Mn/6 (B)=C+Mn/6+(Cr+V+Mo)/5+(Cu+Ni)/15 (C)=C+Mn/6+Si/24 (D)=
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WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND INSPECTED
WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION

APPROVED

Satish Misra
QC METALLURGIST

L4WD003-1 T M INDUSTRIAL (P50323DI001.642185)